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DPY19L1 Rabbit pAb

Catalog # AP96294

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q2PZI1
Other Accession	Q2PZI1
Predicted	Rat, Pig, Human, Mouse, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	77319
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DPY19L1
Epitope Specificity	521-620/675
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Multi-pass membrane protein (Potential).
SIMILARITY	Belongs to the dpy-19 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Dpy-19 (dumpy-19), is a 683 amino acid C. elegans protein that is required to orient the neuroblasts QL and QR correctly on the anterior/posterior axis. Dpy-19 is expressed highly in dorsal hyp7 cells, ventral P cells and lateral V cells, and dorsal and ventral body muscle cells. DPY19L1 (Dpy-19-like protein 1), also known as KIAA0877, is a 675 amino acid multi-pass membrane protein that belongs to the Dpy-19 family. DPY19L1 is expressed as two isoforms produced by alternative splicing and is encoded by a gene mapping to human chromosome 7, which encodes over 1,000 genes and makes up about 5% of the human genome. Diseases associated with chromosome 7 include Osteogenesis imperfecta, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome. The deletion of a portion of the q arm of chromosome 7 is associated with Williams-Beuren syndrome, a condition characterized by mild mental retardation, an unusual comfort and friendliness with strangers and an elfin appearance. Deletions of portions of the q arm of chromosome 7 are also seen in a number of myeloid disorders including cases of acute myelogenous leukemia and myelodysplasia.

Additional Information

Gene ID	23333
Other Names	D19L1_HUMAN; DPY19L1; Dpy-19-like protein 1; Protein dpy-19 homolog 1; 2.4.1.-; GA0500; KIAA0877; dpy-19 like C-mannosyltransferase 1; dpy-19 like 1 (C. elegans); dpy-19 like 1
Target/Specificity	Widely expressed.

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	DPY19L1
Synonyms	GA0500, KIAA0877
Function	C-mannosyltransferase that mediates the C-mannosylation tryptophan residues on target proteins. The reaction occurs on the luminal side of the endoplasmic reticulum and involves the transfer of a mannose unit from a dolichylphosphate mannose (Dol-P-Man) donor to an acceptor protein containing a WxxW consensus sequence (By similarity). C-mannosylates the first two tryptophans in the WxxWxxWxxC motif in thrombospondin (TSP) type-1 of UNC5A (By similarity). Regulates neurite extension during development (By similarity).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:A6X919}; Multi-pass membrane protein
Tissue Location	Widely expressed..

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.